

P **Passiflora incarnata**

Common Name(s)

Manzana de Mayo, Mayapple, Passionflower

How Used

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Chemical Plant Part		Low	High	StdDev	Reference	Citation
		PPM	PPM			
0	ALKALOIDS	Plant	250	300	-0.43277214740239855	
0	ALKALOIDS	Shoot	100	300	-0.7302140622125931	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	ALPHA-ALANINE	Plant	--	--		Jim Duke's personal files.
101	APIGENIN	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
112	ASCORBIC-ACID	Flower	11	100	-0.8040063541862045	
0	ASH	Flower	3190	29000	-0.9015001762592432	
53	BETA-CAROTENE	Flower	5.3	48	0.12033780868766998	
6	BUTYRIC-ACID	Plant	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
28	CALCIUM	Fruit	140	509	-0.7724210608250726	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
28	CALCIUM	Flower	506	4600	-0.3238322438264058	
0	CAMPHEROL	Plant	--	--		
0	CARBOHYDRATES	Fruit	210000	764000	-0.10097003447876784	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
24	CHROMIUM	Flower	0.3	2.5	-0.20992947913339052	
2	COBALT	Flower	1	10	-0.004258333627921315	
0	D-FRUCTOSE	Plant	--	--		
1	D-GLUCOSE	Plant	--	--		
0	ETHYL-MALTOL	Shoot	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	FAT	Flower	9130	83000	0.3985901018999854	
0	FAT	Fruit	33000	120000	0.27529825778239564	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
15	FIBER	Fruit	73000	265000	1.1637409481429548	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	FIBER(CRUDE)	Flower	--	70000	-0.11557230587253167	
0	FIBER(DIETARY)	Flower	--	420000	1.15627254576618	

Chemical Plant Part		Low	High	StdDev	Reference	Citation
		PPM	PPM			
0	FLAVONOIDS	Plant	15000	22000	1.476440967725418	Bisset, N.G., ed. 1994. <i>Herbal Drugs and Phytopharmaceuticals</i> . CRC Press. Boca Raton, FL. 566 pp.
13	FORMIC-ACID	Plant	--	--		
5	GLUTAMINE	Fruit	--	--		Jim Duke's personal files.
0	GUM	Plant	2500	2500	-1.377622882223181	
1	GYNOCARDIN	Leaf	100	1000		Gruenwald, J. et al. 1998. <i>PDR for Herbal Medicine</i> . 1st ed. Medical Economics Co., Montvale, NJ. 1244 pp. (abbreviated as PHR or Physicians Herbal Reference in my mind)
24	HARMALINE	Shoot	--	--		Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.
24	HARMALINE	Plant	--	--		
7	HARMALOL	Plant	--	--		
7	HARMALOL	Shoot	--	--		Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.
11	HARMANE	Plant	1	120		
11	HARMANE	Na	1	120		
23	HARMINE	Shoot	70	70		Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	HARMOL	Shoot	--	--		Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.

	Chemical Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
1	HARMOL	Plant	--	--		
0	HOMOORIENTIN	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
6	IRON	Flower	0.8	7	-1.0566411364104127	
6	IRON	Fruit	16	58	-0.29741781491919245	
4	ISOORIENTIN	Plant	--	--		Gruenwald, J. et al. 1998. PDR for Herbal Medicine. 1st ed. Medical Economics Co., Montvale, NJ. 1244 pp. (abbreviated as PHR or Physicians Herbal Reference in my mind)
0	ISOORIENTIN-2"-GLUCOSIDE	Plant	--	--		Gruenwald, J. et al. 1998. PDR for Herbal Medicine. 1st ed. Medical Economics Co., Montvale, NJ. 1244 pp. (abbreviated as PHR or Physicians Herbal Reference in my mind)
0	ISOSCHAFTOSIDE	Plant	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
4	ISOVITEXIN	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	ISOVITEXIN-2"-BETA-D-GLUCOSIDE	Shoot	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
75	KAEMPFEROL	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	LUCENIN-2	Plant	--	--	Gruenwald, J. et al.	1998. PDR for Herbal Medicine. 1st ed. Medical Economics Co., Montvale, NJ. 1244 pp. (abbreviated as PHR or Physicians Herbal Reference in my mind)
0	LUTENIN-2	Plant	--	--		
78	LUTEOLIN	Plant	--	--	Williamson, E. M. and Evans, F. J.,	Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
65	MAGNESIUM	Flower	275	2500	-0.22564857199406282	
11	MALTOL	Shoot	--	500	Bisset, N.G., ed.	1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
11	MALTOL	Plant	--	--		
14	MANGANESE	Flower	0.2	2.1	-0.38528752856607995	
6	MYRISTIC-ACID	Plant	--	--	Newall, C. A., Anderson, L. A. and Phillipson, J. D.	1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
1	N-NONACOSANE	Shoot	--	--	Leung, A. Y. and Foster, S.	1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	N-NONACOSANE	Plant	--	--		
39	NIACIN	Flower	11	95	0.004922560177085936	
18	OLEIC-ACID	Plant	--	--	Newall, C. A., Anderson, L. A. and Phillipson, J. D.	1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.

Chemical Plant Part		Low	High	StdDev	Reference	Citation
		PPM	PPM			
4	ORIENTIN	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
13	PALMITIC-ACID	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
0	PASSICOL	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
0	PASSIFLORINE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
7	PHENYLALANINE	Fruit	--	--		Jim Duke's personal files.
7	PHENYLALANINE	Leaf	--	--		Jim Duke's personal files.
7	PHENYLALANINE	Seed	--	--		Jim Duke's personal files.
7	PHENYLALANINE	Stem	--	--		Jim Duke's personal files.
4	PHOSPHORUS	Flower	407	3700	-0.0040175766326249985	
4	PHOSPHORUS	Fruit	430	1564	-0.5017765061473926	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
14	POTASSIUM	Flower	2200	20000	0.07485647549902923	
0	PROLINE	Plant	--	--		
0	PROTEIN	Fruit	23000	84000	-0.34181901652377045	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	PROTEIN	Flower	13200	120000	-0.26465395694542415	
176	QUERCETIN	Leaf	--	--		Jim Duke's personal files.
1	RAFFINOSE	Shoot	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	RAFFINOSE	Plant	--	--		
15	RIBOFLAVIN	Flower	0.1	0.5	-1.3399966931295562	
87	RUTIN	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	SACCHAROSE	Plant	--	--		
0	SAPONARETIN	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	SAPONARIN	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	SAPONARINE	Plant	--	--		
1	SCHAFTOSIDE	Plant	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
44	SCOPOLETIN	Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
60	SELENIUM	Flower	--	--		
4	SILICON	Flower	--	--		
0	SITOSTEROL	Plant	--	--		
0	SITOSTEROL	Shoot	--	--	Leung, A. Y. and Foster, S.	1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	SODIUM	Flower	6	50	-0.5904389749392975	
12	STIGMASTEROL	Plant	--	--		
12	STIGMASTEROL	Shoot	--	--	Leung, A. Y. and Foster, S.	1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
14	SUCROSE	Plant	--	--		
14	SUCROSE	Shoot	--	--	Leung, A. Y. and Foster, S.	1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	THIAMINE	Flower	--	--		
8	TYROSINE	Leaf	--	--		
8	TYROSINE	Seed	--	--		
8	TYROSINE	Stem	--	--		
22	UMBELLIFERONE	Root	--	--	Leung, A. Y. and Foster, S.	1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
3	VALINE	Leaf	--	--	Jim Duke's personal files.	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
3	VALINE	Seed	--	--		Jim Duke's personal files.
3	VALINE	Stem	--	--		Jim Duke's personal files.
3	VICENIN	Plant	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
12	VICENIN-2	Plant	--	--		Gruenwald, J. et al. 1998. PDR for Herbal Medicine. 1st ed. Medical Economics Co., Montvale, NJ. 1244 pp. (abbreviated as PHR or Physicians Herbal Reference in my mind)
18	VITEXIN	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	WATER	Flower	--	890000	0.5075484737057864	
77	ZINC	Flower	--	--		